Contents of Volume 5

No. 1, October 1988

Fluoride reduces the rate of dissolution of bone (BAM 00158)
M.D. Grynpas and P.-T. Cheng (Canada) 1

Accelerated vertebral bone loss in relation to the menopause: a cross-sectional study on lumbar bone density in 286 women of 46 to 55 years of age (BAM 00147)
P.J.M. Elders, J.C. Netelenbos, P. Lips, F.C. van Ginkel and P.F. van der Stelt (The Netherlands) 11

The relation between forearm and vertebral mineral density and fractures in postmenopausal women (BAM 00148)
B.E.C. Nordin, J.M. Wishart, M. Horowitz, A.G. Need, A. Bridges and M. Bellon (Australia) 21

The clinical relevance of calcaneus bone mineral measurements: a review (BAM 00151)
J.M. Vogel, R.D. Wasnich and P.D. Ross (USA) 35

Vertebral morphometry in diagnosis of spinal fractures (BAM 00154)
L.R. Hedlund and J.C. Gallagher (USA) 59

Correlation of bone mineralization in the radius and humerus of well premature neonates over the first 4 months of life (BAM 00155)
W.B. Pittard, III, K.M. Geddes and B.W. Hollis (USA) 69

Iliac crest biopsy in longitudinal therapeutic trials of osteoporosis (BAM 00156)
J. Pødenphant, B.J. Riis, J.S. Johansen, A. Leth and C. Christiansen (Denmark) 77

Influence of the menopause and aging on spinal density in French women (BAM 00157)
C. Ribot, F. Tremollieres, J.M. Pouilles, J.P. Louvet and R. Guiraud (France) 89

A case of membranous lipodystrophy complicated by Fanconi's syndrome (BAM 00160)
R. Hishikawa, M. Fukase, Y. Yoshimoto, Y. Imai, S. Okada and T. Fujita (Japan) 99

Book Review 107

Selected Bibliography 109

Calendar of Forthcoming Events 115

No. 2, January 1989

Interrelationships of vitamin D, bone metabolism and blood calcium concentration in the chick (BAM 00159)
W.K. Ramp, R.L. Baker and L.S. Trinkle (USA) 117

Pluripotent hemopoietic stem cells give rise to osteoclasts in vitro: effects of rGM-CSF (BAM 00162)
G.B. Schneider and M. Relfson (USA) 129

Bradykinin stimulates production of prostaglandin E_2 and prostacyclin in murine osteoblasts (BAM 00165)
U.H Lerner, M. Ransjö and Ö. Ljunggren (Sweden) 139

Murine osteoblasts release bone-resorbing factors of high and low molecular weights: stimulation by mechanical deformation (BAM 00166)
J.R. Sandy, S. Meghji, A.M. Scutt, W. Harvey, M. Harris and M.C. Meikle (England) 155

Forskolin sensitizes parathyroid hormone-induced cyclic AMP response, but not the bone resorptive effect, in mouse calvarial bones (BAM 00167)
U.H. Lerner, M. Ransjö, K. Sahlberg, Ö. Ljunggren and B.B. Fredholm (Sweden) 169

Maintained improvement in calcium balance and bone mineral content in patients with osteoporosis treated with the bisphosphonate APD (BAM 00163)
R. Valkema, F.-J.E. Vismans, S.E. Papapoulos, E.K.J. Pauwels and O.L.M. Bijvoet (The Netherlands) 183

Indices of calcium metabolism in women with hip fractures (BAM 00164)
C. Cooper, M. Mclaren, P.J. Wood, L. Coulton and J.A. Kanis (England) 193

Effects of cyclical therapy for osteoporosis using an oral regimen of inorganic phosphate and sodium etidronate: a clinical and bone histomorphometric study (BAM 00161)
A.B. Hodsman (Canada) 201

Bone mineral density of the spine and proximal femur in normal and osteoporotic subjects in Japan (BAM 00168)
H. Norimatsu, S. Mori, T. Uesato, T. Yoshikawa and N. Katsuyama (Japan) 213

Is there a need for more theoretical biology? (Letter to the Editor)
J.S.F. Barker, R.A.V. Benn, R.A. Evans, D.R. Fraser, G.A. Freeland, N.D. Gallagher, M.J. Holloway, J.W. James, C. Moran, F.W. Nicholas, J.R. Parks and J.M. Thompson (Australia) 223

Book Review 226

Selected Bibliography 228

Calendar of Forthcoming Events 231

No. 3, March 1989

Obituary in memory of Constantine Spiro Anast (1924–1987) iii

C.S. Anast Symposium Papers

The messenger function of Ca^{2+}: from PTH action to smooth muscle contraction (BAM 00186)
H. Rasmussen (USA) 233

Calcium, magnesium and the control of PTH secretion (BAM 00183)
E.M. Brown and C.J. Chen (USA) 249

Mineral regulation of vitamin D metabolism (BAM 00184)
T.O. Carpenter (USA) 259

Impaired osteoclast differentiation in subcutaneous implants of bone particles in osteopetrotic mutants (BAM 00185)
J. Glowacki, K.A. Cox and S. Wilcon (USA) 271

Determinants of serum 1,25-dihydroxycholecalciferol in primary hyperparathyroidism (BAM 00169)
L. Mosekilde, P. Charles and P. Lindegreen (Denmark) 279

Adverse effects of a high-glucose diet on body weight and plasma calcium and 1,25-dihydroxyvitamin D_3 levels in calcium-deficient growing rats (BAM 00170)
S.A. Clark, A. Boass and S.U. Toverud (USA) 291

A high-fat diet increases calcitonin secretion in the rat (BAM 00171)
L.J. Deftos, M.M. Miller and D.W. Burton (USA) 303

Osteoclastic acid ATPase: biochemical and histochemical studies of the osteopetrotic mutations in the rat (BAM 00172)
B. Ek-Rylander, S.C. Marks Jr., L.E. Hammarström and G.N. Andersson (Sweden & USA) 309

Modulation of myelomonocytic U937 cells by vitamin D metabolites (BAM 00173)
M. Hewison, S. Barker, A. Brennan, D.R. Katz and J.L.H. O'Riordan (England) 323

Cooperation of synthetic insulin-like growth factor I/somatomedin C and 1,25-dihydroxyvitamin D_3 on regulation of function in clonal osteoblastic cells (BAM 00174)
H. Kurose, Y. Seino, K. Yamaoka, H. Tanaka, M. Shima and H. Yabuuchi (Japan) 335

Spinal osteoporosis in men (BAM 00175)
R.M. Francis, M. Peacock, D.H. Marshall, A. Horsman and J.E. Aaron (England & USA) 347

Effect of dihydrotachysterol on bone induction in ovariectomized rats (BAM 00177)
C. Tabuchi, D.J. Simmons, A. Fausto, I. Binderman and L.V. Avioli (USA & Israel) 359

Mitogenic responses to and binding of insulin-like growth factor 1 and/or epidermal growth factor by bone cells (BAM 00178)
C. VandePol, D. Schlaeger and G.L. Wong (USA) 371

Selected Bibliography 383

Calendar of Forthcoming Events 387

Contents of Volume 5 389

Author Index 392

Subject Index 395